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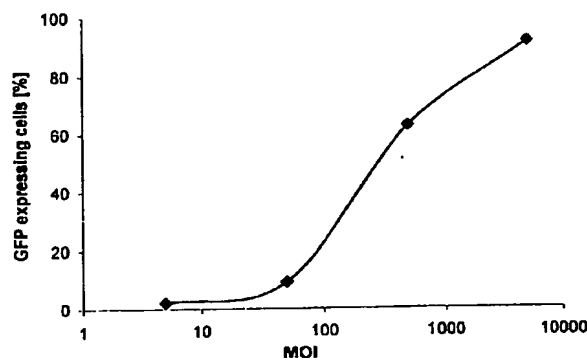
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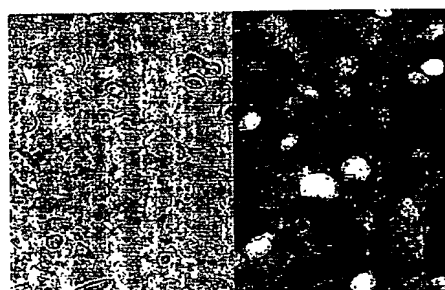
— with international search report

[Continued on next page]

(54) Title: GENERATION OF RECOMBINANT INFLUENZA VIRUS USING BACULOVIRUS DELIVERY VECTOR



A



B

(57) Abstract: The invention relates to a method wherein a baculovirus delivery system is used as an alternative for the rescue of recombinant influenza virus. A recombinant baculovirus vector containing mammalian cell-active promoters and transcription terminators was used for delivery of the influenza NS gene segment to Vero cells. In addition to the influenza NS gene segment, the recombinant baculovirus vector contained a reporter gene expression cassette (GFP), allowing to monitor the Vero cell transduction efficiency. More than 90 percent of Vero cells were expressing GFP 24 to 48 hours after transduction. After infecting baculovirus-transduced cells with influenza helper virus, recombinant influenza progeny carrying the synthetic, baculovirus-derived NS gene was isolated. The method further relates to the chimeric baculovirus and to its chimeric genome and further to a method of manufacture of recombinant influenza vaccines using the baculovirus transduction method.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/ET 03/09375

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/86

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>JOHANSSON B E: "Immunization with influenza A virus hemagglutinin and neuraminidase produced in recombinant baculovirus results in a balanced and broadened immune response superior to conventional vaccine"</p> <p>VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 17, no. 15-16, 9 April 1999 (1999-04-09), pages 2073-2080, XP004165058 ISSN: 0264-410X the whole document</p> <p style="text-align: center;">--- -/--</p>	10-13, 15,16

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	POOMPUTSA K ET AL: "Generation of recombinant influenza virus using baculovirus delivery vector" JOURNAL OF VIROLOGICAL METHODS, vol. 110, pages 111-114, XP002264078 the whole document -----	1-20

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